



WATER RESOURCES RESEARCH GRANT PROPOSAL

Project ID: 2004AL26B

Title: The Evaluation of an Approach to Estimate Regional Scale Surface Moisture as an Indicator of Drought for Alabama Using NASA's MODIS Data

Project Type: Research

Focus Categories: Hydrology, Climatological Processes

Keywords: Moisture, Remote Sensing, MODIS, Maps, Southeast

Start Date: 03/01/2004

End Date: 02/28/2005

Federal Funds Requested: \$23,348

Non-Federal Matching Funds Requested: \$46,944

Congressional District: 3rd

Principal Investigators:

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Abstract

In this project, surface moisture conditions will be estimated by calculating the ratio between NDVI and LST. Although our focus is to use these measurements as an indication of drought, these measurements may also be an effective indicator of other potential disasters such as flooding.

The overall goal of this project will be to evaluate methods to use remotely sensed data to estimate surface moisture conditions as an indication of drought.